



PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO038737	MES002-VC	1	1	Net 30	M304TS0.750W.049	304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft				1,000	1/15/2018	1,000	S031853	Stock	1/12/2018	\$ 3.80 / ft	0		
					M304TS0.750W.065	304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft						500							
												Total: 1,500		1,500				\$4	

Plex 1/12/2018 2:26 PM Dart Dubois Pascal

Shipping Order

10/01/2018

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 *Tel. : 450 641-3330*

Customer: 6323336

Order : 131781
Reference : 38737
Ship : PICK UP / PICK UP

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SSQT34340494	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 SQ TUBE .750 X .049 WALL 50 x 20' *** ht;ake040273	1000	1000	0
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 25 x 20' *** ht;5517363	500	500	0

ship journey collect
jp

Ref. : _____

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 **Tel. : 450 641-3330**

Shipping Order 10/01/2018

Order : 131781
Reference : 38737
Ship : PICK UP / PICK UP

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DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
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Same

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Item No.	Description	Qty	Qty. Deliv.	B/O Qty
SSQT34340494	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 SQ TUBE .750 X .049 WALL 50 x 20' *** ht;ake040273	1000	<u>1000</u>	<u>0</u>
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 25 x 20' ***** ht;5517363	500	<u>500</u>	<u>0</u>

ship journey collect
jp

Darren D'Amico

Shipping : _____
Package No : _____
Merchandise Received : _____

Ref. : _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038737

E-MAILED
JAN 09 2018

Supplier:	MES002-VC Metaux Solutions 2625 boul Jacques-Cartier Est Longueuil QC J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044	PO No:	PO038737
		PO Date:	1/8/18
		Due Date:	1/15/18
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	1,000 ft	0 ft	1,000 ft	\$3.80/ft	\$3,800.00
2	M304TS0.750W.065		304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	500 ft	0 ft	500 ft	\$2.75/ft	\$1,375.00

Grand Total: \$5,175.00

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/8/18 9:31 AM dart.lavoie.chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038737

Supplier:	MES002-VC Metaux Solutions 2625 boul Jacques-Cartier Est Longueuil QC J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044	PO No:	PO038737
		PO Date:	1/8/18
		Due Date:	1/15/18
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Items		
								Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	1,000 ft	0 ft	1,000 ft	\$3.80/ft	\$3,800.00
2	M304TS0.750W.085		304 Sq Tube .75X.75X.085W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	500 ft	0 ft	500 ft	\$2.76/ft	\$1,375.00

Grand Total: \$5,175.00

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dart aerospace.com for further explanation.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304750.750 W.049
 DATE: JAN 12 2018

PO / BATCH NO.: 038737

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 1000"
 QUANTITY INSPECTED: 1000"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W.049
 THICKNESS RECEIVED: W.049
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	<i>Astm A354-16</i>
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	<i>Heat # 040273</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS INSPECTED BY: <u>11</u> 9-89 DATE: <u>JAN 12 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Kingmaker Steel Co., Inc.

Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203
 Tel.: (732) 302-1800, Fax: (732) 302-1822

Date: 11/9/2017
 Invoice No: KM2017/2620
 Purchase P008957-1
 Order No:
 Sold To: Ship To:

Material Certification

ISO 9001:2015
 ISO 14001:2004
 EN 10204/3.1B

Stainless Steel T.I.G. Welded Tubing. Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.049"W X 20'	AKE040273	MF	ASTM A554-16	MT-304
2:	5/8" SQ X 0.065"W X 20'	5D317	180G	ASTM A554-16	MT-304
3:	2-1/2" SQ X 0.120"W X 20'	TBG112661	MF	ASTM A554-16	MT-304
4:	3" SQ X 0.250"W X 20'	TBH090322	MF	ASTM A554-16	MT-304
5:	1-1/2" SQ X 0.125"W X 20'	5E382	MF	ASTM A554-16	MT-316/L

CHEMICAL PROPERTIES

	C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
1:	.040	.510	1.08	.029	.014	18.10	8.14			
2:	.019	.350	1.36	.028	.001	18.26	8.05			
3:	.016	.370	1.04	.024	.003	18.37	8.04			
4:	.022	.460	0.85	.029	.005	18.02	8.11			
5:	.019	.350	1.39	.031	.007	16.74	10.03			

MECHANICAL PROPERTIES

	Tensile (N/mm ²)	Yield (N/mm ²)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy Current
1:	673.00	235.00	46.00	82.80			
2:	646.00	322.00	53.00	85.00			
3:	651.00	289.00	52.00	83.00			
4:	633.00	305.00	54.00	87.00			
5:	623.00	314.00	47.00	82.00			

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

Page: 1/2

Carrie Wang
 Authorized Signature

11/9/2017
 Date

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH: *1/2* ASTM A554 MILL FINISH
OR ASTM A288 MILL FINISH

PART NUMBER: M304TS | A.AAA | W | TTT |
| WIDTH | | WALL |

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED
2014-05-26

[Signature]

"SEAMLESS" REMOVED FROM PURCHASE MATERIAL.		DB	14.06.20
"SEAMLESS" ADDED TO PURCHASE MATERIAL.		AJS	08.10.16
C	ASTM A288 ADDED TO FINISH.		
	REASON: SPEC ADDED FOR 1/2" TUBING		
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).	AJS	08.08.28
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	CB	DRAWING NO.	REV. D
MFG. APPR.	<i>[Signature]</i>	M304TS	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		304/316 SQUARE TUBING	NONE
DATE	14.05.20	COPYRIGHT © 2014 DART AEROSPACE LTD NOT TO BE USED BY ANYONE ELSE, NOR REPRODUCED, OR OTHERWISE COMMUNICATED, IN WHOLE OR IN PART, OR FOR ANY PURPOSE, WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE LTD.	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304750.730W.065
 DATE: JAN 12 2018

PO / BATCH NO: 038737/5031854

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 500"
 QUANTITY INSPECTED: 500"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W.065
 THICKNESS RECEIVED: W.065
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> <u>N</u>	<i>Aston A554</i>
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<i>Heat # 5517363</i>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS INSPECTED BY: <u>11</u> 9-89 DATE: <u>JAN 12 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH:
ASTM A554 MILL FINISH
OR
ASTM A269 MILL FINISH

PART NUMBER:

M304TS|A.AAA|W|TTT
|WIDTH| |WALL|

PART NUMBER:

E.G. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

RELEASED

2014-05-26
[Signature]

"SEAMLESS" REMOVED FROM PURCHASE MATERIAL			
D	"SEAMLESS" ADDED TO PURCHASE MATERIAL.	DB	14.06.20
C	ASTM A280 ADDED TO FINISH REASON: SPEC ADDED FOR 1/2" TUBING	AJS	08.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE INCR 08-045 FOR DETAILS).	AJS	08.08.28
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
	DART AEROSPACE LTD		
DESIGN	DS		
DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. D
MFG. APPR.		M304TS	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.		304/316 SQUARE TUBING	NONE
DATE	14.05.20	NOTE: DRAWING IS FOR DRAFTING PURPOSES ONLY. DO NOT USE FOR MANUFACTURING. NO PARTS ARE TO BE CUT OR DRILLED FROM THIS DRAWING.	

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GLOBAL STAINLESS

Steel Inc.

"Stainless without Borders"

Mill Test Certificate

ASTM A554

Description:

Stainless Steel Ornamental Tube

Heat #

5517363

Grade/Finish:

304 / 180 GRIT

Quantity

980 FT

Dimension

0.065" X 0.75" X 0.75" X 240"

Origin:

China

Chemical Composition (Coil MTR)

C	Si	Mn	P	S	Cr	Ni
0.0240	0.3800	1.0400	0.0340	0.0060	18.0800	8.0300

Mechanical Composition (Coil MTR)

Yield	Tensile	Elongation
KSI	KSI	(%)
45	89	47

Remarks:

- 1) Material is Free from Mercury Contamination.
- 2) No Weld Repairs.
- 3) Dimensions / Visual Inspected.

Global certifies that the products described have been manufactured in accordance with the standards and specifications noted above.